## IN THE CLAIMS:

The following claim set shows the present condition of the pending claims:

- 1. (original) A root growth barrier, comprising a layer of a root-tip-trapping material bonded to a layer of a root-impenetrable material.
- 2. (original) The barrier of claim 1, wherein the root-impenetrable material is water-impenetrable.
- 3. (original) The barrier of claim 1, wherein the root-tip-trapping material comprises greater than 10 root-tip-trapping elements per square inch.
- 4. (original) The barrier of claim 1, wherein the root-tip-trapping material is a porous fabric.
- 5. (previously presented) The barrier of claim 4, wherein the porous fabric has a weight per square yard of between 2 and 10 ounces.
- 6. (previously presented) The barrier of claim 5, wherein the porous fabric has a weight per square yard of between 4 and 6 ounces.
- 7. (original) The barrier of claim 4, wherein the porous fabric has openings between 1/16 and 1/4 inch.
- 8. (original) The barrier of claim 4, wherein the porous fabric is a spun bonded, needle punched fabric.
- 9. (original) The barrier of claim 8, wherein the porous fabric is selected from polyester, polypropylene or other olefin fiber.

- 10. (original) The barrier of claim 4, wherein the porous fabric is a woven or knitted fabric.
- 11. (original) The barrier of claim 10, wherein the porous fabric is degradable.
- 12. (original) The barrier of claim 11, wherein the porous fabric is cotton.
- 13. (original) The barrier of claim 4, wherein the porous fabric is opaque.
- 14. (original) The barrier of claim 13, wherein the porous fabric is black or gray.
- 15. (original) The barrier of claim 1, wherein the root-tip-trapping material is bonded onto the root-impenetrable material by a method selected from gluing, laminating and combinations thereof.
- 16. (original) The barrier of claim 1, wherein the root-impenetrable material is comprised of a plurality of layers.
- 17. (original) The barrier of claim 1, wherein the root-impenetrable material is reflective.
- 18. (original) The barrier of claim 1, wherein the root-impenetrable material is a polymer sheet.
- 19. (original) The barrier of claim 1, wherein the root-impenetrable material is selected from polyethylene and polypropylene.
- (original) The barrier of claim 1, wherein the root-impenetrable material is metal.
- 21. (original) The barrier of claim 1, wherein the root-impenetrable material is a metal foil.

- 22. (original) The barrier of claim 1, wherein the root-impenetrable material is aluminum foil.
- 23. (previously presented) The barrier of claim 1, wherein the root-impenetrable layer is impervious to UV radiation.
- 24. (original) The barrier of claim 18, wherein root-impenetrable material is white.
- 25. (original) The barrier of claim 1, wherein the root-impenetrable layer has a thickness between 2 and 10 mils.
- 26. (original) The barrier of claim 1, wherein the root-impenetrable layer has a thickness between 3 and 5 mils.
- 27. (original) The barrier of claim 1, wherein the root-impenetrable material is biodegradable.
- 28. (original) The barrier of claim 27, wherein the biodegradable material is selected from wood, fiber, starch, polyhydroxyalkanoates, polycaprolactone, polylactide aliphatic copolymer, polylactide, aliphatic polyester, an aliphatic-aromatic copolymer, and combinations thereof.
- 29. (original) An apparatus, comprising:
   a root-impenetrable container for growing a plant; and
   a root-tip-trapping material bonded to an inner wall of the container.
- 30. (original) The apparatus of claim 29, wherein the container is formed into a shape selected from cylinders, squares, rectangles, cubes, blocks, hexagons, octagons, ovals, pentagons, triangles and circles.

- 31. (original) The apparatus of claim 29, wherein the container has a diameter between 2 and 96 inches.
- 32. (original) The apparatus of claim 29, wherein the container has a diameter between 5 and 60 inches.
- 33. (original) The apparatus of claim 29, wherein the root-tip-trapping material is a spun bonded, needle punched fabric.
- 34. (original) The apparatus of claim 33, wherein the fabric has a density between 2 and 10 ounces per square yard.
- 35. (original) The apparatus of claim 33, wherein the fabric has a density between 4 and 6 ounces per square yard.
- 36. (original) The apparatus of claim 29, wherein the root-impenetrable container comprises polyethylene and the root-tip-trapping material comprises spun bonded fabric.
- 37. (original) The apparatus of claim 36, wherein the polyethylene has a thickness between 2 and 10 mils.
- 38. (original) The apparatus of claim 36, wherein the polyethylene has a thickness between 3 and 5 mils.
- 39. (original) The apparatus of claim 36, wherein the polyethylene contains additives.
- 40. (original) The apparatus of claim 39, wherein the additives comprise UV inhibitors.
- 41. (previously presented) The apparatus of claim 29, wherein the root-tip-trapping material is black or grey.

- 42. (original) The apparatus of claim 29, wherein the root-tip-trapping material is a woven or knitted fabric.
- 43. (original) The apparatus of claim 29, wherein the container is assembled by sewing or stapling.
- 44. (original) The apparatus of claim 33, wherein the container is a grow-bag or inground container.
- 45. (original) The apparatus of claim 33, wherein the container is a production pot in pot-in-pot production.
- 46. (original) A method of growing a plant in a pot comprising the steps of: disposing a bilayer root growth barrier consisting essentially of a root-tip-trapping inner material bonded to a root-impenetrable material; disposing a growth medium adjacent to the root growth barrier; and

disposing a growth medium adjacent to the root growth barrier; and adding a plant to the growth medium.

47. (original) A method of growing a plant in-ground, comprising the steps of:

placing growth medium in a container comprising a bilayer consisting essentially
of a biodegradable root-impenetrable outer material bonded to an inner root-penetrable
material; and

adding a plant to the growth medium.

- 48. (original) A root growth barrier, consisting essentially of:
  a layer of a root-tip-trapping material bonded to a layer of a root-impenetrable material.
- 49. (original) A root growth barrier, comprising:a polymer sheet having a surface bonded to a porous fabric.

- 50. (previously presented) The barrier of claim 49, wherein the porous fabric has a weight per square yard of between 4 and 6 ounces.
- 51. (original) The barrier of claim 49, wherein the porous fabric has openings between 1/16 and 1/2 of an inch.
- 52. (original) The barrier of claim 49, wherein the porous fabric is selected from spun bonded and needle punched fabric, woven fabric, and knitted fabric.
- 53. (original) The barrier of claim 49, wherein the porous fabric is selected from polyester, polypropylene and cotton.
- 54. (original) The barrier of claim 49, wherein the polymer sheet is white and the porous fabric is black.
- 55. (previously presented) The barrier of claim 49, wherein the porous fabric is bonded onto a polyethylene sheet by a method selected from gluing, laminating and combinations thereof.
- 56. (previously presented) The barrier of claim 49, wherein the polymer sheet is a polyethylene sheet has a thickness between 2 and 10 mils.
- 57. (original) A root growth barrier, comprising: a polyethylene sheet; and
- a porous fabric layer bonded to a surface of the polyethylene sheet, wherein the porous fabric layer is selected from spun bonded and needle punched fabric, woven fabric, and knitted fabric.
- 58. (original) The barrier of claim 57, wherein the polyethylene sheet is white and the porous fabric layer is black.

- 59. (original) The barrier of claim 57, wherein the porous fabric layer is bonded onto the polyethylene sheet by a method selected from gluing, laminating and combinations thereof.
- 60. (original) The barrier of claim 57, wherein the polyethylene sheet has a thickness between 2 and 10 mils.
- 61. (previously presented) The barrier of claim 57, wherein the porous fabric layer has a weight per square yard of between 2 and 10 ounces.
- 62. (previously presented) The barrier of claim 57, wherein the porous fabric layer has a weight per square yard of between 4 and 6 ounces.
- 63. (original) The barrier of claim 1, wherein the root-tip-trapping layer comprises a plurality of strata.
- 64. (original) The barrier of claim 25, wherein the root-impenetrable material is water-impenetrable.
- 65. (original) The barrier of claim 1, wherein the root-tip-trapping material comprises greater than 100 root-tip-trapping elements per square inch.